



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
RESEARCH TRIANGLE PARK, NC 27711

NOV 29 2006

OFFICE OF
AIR QUALITY PLANNING
AND STANDARDS

Dr. Albert J. Heber, Professor
Purdue University
Agricultural and Biological Engineering
225 S. University Street
West Lafayette, IN 47907-2093

Dear Dr. Heber:

In accordance with paragraph 56 of the Air Compliance Agreement (Agreement) we are approving the Final National Air Emissions Monitoring Study (NAEMS) Barn Quality Assurance Project Plan (QAPP) and the Final NAEMS Open Source QAPP submitted on November 5, 2006. This approval includes the final Standard Operating Procedures that were submitted to our office on November 5th and 7th. Enclosed are signed copies of the QAPP approval pages for your records.

As set out in paragraph 57 of the Agreement, all Full Funding Level monies must be transferred to the nonprofit entity within 60 days of today's date. Thereafter, monitoring shall begin within 120 days of today's date and proceed according to the approved plans for 24 months. Any changes to the approved plans or schedule must be submitted to the Environmental Protection Agency (EPA) in writing and receive EPA's concurrence prior to proceeding with the proposed change.

EPA understands that the sites will come online for monitoring at different times depending upon factors such as equipment deliveries, personnel training, and weather. To assist us in planning our oversight and tracking of the monitoring period at each site, we request that you notify us in writing as sites come online.

We have completed visits to the twenty-four sites which you nominated for monitoring and we find them to be acceptable candidates and they are approved. Please submit the final Site Monitoring Plans for each approved site for our final review and approval.

If you have questions or concerns on any of these items, please contact Mr. William Schrock at 919-541-5032.

Sincerely,

A handwritten signature in cursive script, appearing to read "Wm. James Schrock for", written in dark ink.

Robin Dunkins
Group Leader

Natural Resources and Commerce Group

Enclosures

cc: Peter Tsirigotis, USEPA, SPPD
Steve Page, USEPA, OAQPS
Bob Kaplan, USEPA, OECA
John Thorne, Agricultural Air Research Council, Inc
Deb Dimmitt, Purdue University

QUALITY ASSURANCE PROJECT PLAN

for the National Air Emissions Monitoring Study (Barns Component)

QAPP Category #1

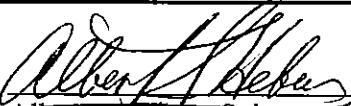
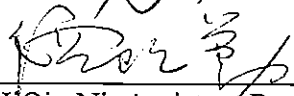
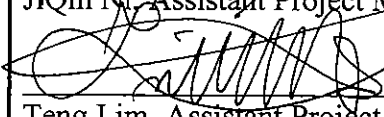
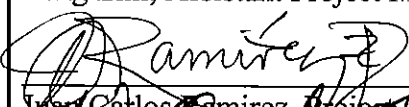
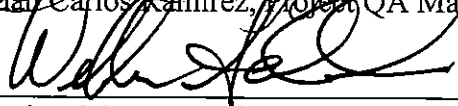
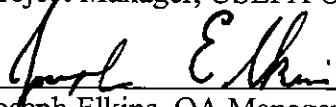
Revision 0.0

November 6, 2006

Agriculture Air Research Council (AARC)
Purdue University Department of Agricultural and Biological Engineering

Prepared by
Purdue Agricultural Air Quality Laboratory (PAAQL)
West Lafayette, IN 47907

Approvals

	
Albert J. Heber, Science Advisor and Overall Project Manager, Purdue University	
	
JiQin Ni, Assistant Project Manager, Purdue University	
	
Teng Lim, Assistant Project Manager, Purdue University	
	
Juan Carlos Ramirez, Project QA Manager, Purdue University	
	11-28-06
Project Manager, USEPA OAQPS William Schrock	
	11/28/06
Joseph Elkins, QA Manager, USEPA OAQPS	

Quality Assurance Project Plan^{1,2}
for the
National Air Emissions Monitoring Study
(Open Source Emissions Component)
QAPP Category #1

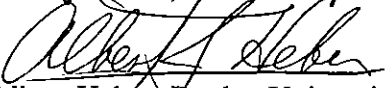
Prepared by
Purdue Applied Meteorology Laboratory
Department of Agronomy, Purdue University

A. Project management

1. Approvals


Richard Grant, Purdue University Project Manager

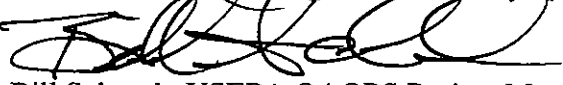
Date 11/9/06


Albert Heber, Purdue University Science Advisor

Date


Juan Carlos Ramirez, Purdue University Quality Assurance Manager

Date 11/9/2006


Bill Schrock, USEPA OAQPS Project Manager

Date 11/28/06


Joseph Elkins, USEPA OAQPS QA Manager

Date 11/28/06

¹ This QAPP was drafted according to:

USEPA. 2002. *EPA Guidance for Quality Assurance Project Plans*. Office of Research and Development, United States Environmental Protection Agency, Washington, D.C. EPA QA/G-5, and

USEPA. 2001. *EPA Requirements for Quality Assurance Project Plans*. Office of Research and Development, United States Environmental Protection Agency, Washington, D.C. EPA QA/R-5.

² Principal author: Richard H Grant, Purdue University, West Lafayette, IN 47907-2054.